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21 December 1964

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POSSIBLE SOLID PROPELLANT PROCESSING AND TEST SITE

LENINGRAD, USSR

THIS FACILITY, A PROBABLE SOLID PROPELLANT TEST SITE AND A POSSIBLE SOLID PROPELLANT TEST SITE WERE IDENTIFIED [REDACTED] THIS IS THE ONLY KNOWN SITE OF THIS TYPE IN THE USSR, HOWEVER, THERE ARE 8 OTHER INSTALLATIONS IN THE USSR WHICH ARE SUSPECT AS SOLID PROPELLANT TEST FACILITIES.

25X1

PETROPAVLOVSK-KAMCHATSKIY NAVAL MISSILE STORAGE

FIRST IDENTIFIED [REDACTED] ONE OF 9 NAVAL MISSILE STORAGE FACILITIES IN THE USSR.

25X1

TALLINN AMM/SAM COMPLEX, USSR

THIS INSTALLATION WAS IDENTIFIED [REDACTED] IT AND A POSSIBLE COUNTERPART AT CHEREPOVETS HAVE NOT BEEN CONNECTED TO ANY KNOWN MISSILE SYSTEM, THOUGH THEY ARE THOUGHT TO HAVE A POSSIBLE AMM/SAM ASSOCIATION.

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ANGARSK AREA, HEN-HOUSE TYPE ANTENNAS

FIRST SEEN [REDACTED] FOUR OF THE NINE DUAL HEN-HOUSE
RADARS UNDER CONSTRUCTION IN THE USSR. USED FOR SPACE TRACKING.

25X1

NIKOLAYEV SHIPYARD NOSENKO 444

46-57N 031-59E

1. SHIPYARD FIRST SEEN [REDACTED]
2. SIGNIFICANCE: [REDACTED] OAK REPORTED ONE LARGE POSSIBLE
COMBATANT HULL, APPROXIMATELY 645 FT WITH APPROXIMATELY 110 FT
BEAM UNDER CONSTRUCTION ON BUILDING WAYS.
3. HULL CONFIGURATION OF LARGE POSSIBLE COMBATANT DOES NOT CONFORM
TO ANY KNOWN SOVIET HULL DESIGN.

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VILEYKA GOLIATH VLF COMMUNICATIONS SITE

FIRST SEEN [REDACTED] LARGEST VLF STATION IN THE USSR FOR
SUBMARINE COMMUNICATION. ONE OF SIX OPERATIONAL HEXAGONAL-SHAPED VLF
STATIONS IN THE USSR.

SARY OZEK SAM SITE A15-2

FIRST IDENTIFIED [REDACTED] THIS SITE IS ONE OF
977 SA-2 SURFACE-TO-AIR MISSILE SITES IDENTIFIED IN THE SOVIET UNION.

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PEIPING ROCKET ENGINE TEST FACILITY

CHANG-HSIN-TIEN, CHINA

1. FIRST SEEN [REDACTED]
2. THIS IS THE ONLY KNOWN STATIC TEST FACILITY IN CHINA. THE FACILITIES OBSERVED ARE CAPABLE OF TESTING, ROCKET ENGINES, THEIR COMPONENTS, AND STATIC TEST FIRING COMPLETE MISSILES.

GUBA LITSA SUBMARINE BASE

1. FIRST SEEN [REDACTED]
2. [REDACTED], FIRST IDENTIFIED 4 "N"-CLASS SSN AND 2 "E"-CLASS SSGN (AND 4 "H"-CLASS SSB AND ONE "DON"-CLASS AS).
3. [REDACTED] EPORTED 2 "E"-CLASS SSGN, ONE PROBABLE "E"-CLASS SSGN, ONE POSSIBLE "E"-CLASS SSGN, 2 PROBABLE "H"-CLASS SSB, 2 PROBABLE "N"-CLASS SSN, 3 POSSIBLE "N"-CLASS SSN, (AND DON CLASS AS).

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SEVERODVINSK NAVAL BASE & SHIPYARD 402

[REDACTED] REPORTED ONE PROBABLE CRUISE-MISSILE CONFIGURED
SS WITH OVERALL LENGTH OF 420 FT IN FLOOD BASIN OF SHIPYARD.

25X1

KARA BABAU IRBM LAUNCH SITE 2

THE FIRST ATTEMPT TO CAMOUFLAGE THE SITE TOOK PLACE AROUND MISSION
[REDACTED] IT IS ONE OF 29 MR/IRBM SITES WHICH HAVE BEEN OB-
SERVED TO HAVE SOME TYPE OF CAMOUFLAGE SINCE JUN-JUL 62.

25X1

GORNYI BALKLEY PROBABLE ELECTRONICS SITE

FIRST SEEN [REDACTED] BELIEVED TO BE A NEW PROGRAM ASSOCIATED WITH
LONG-RANGE SAM. ONE OF SIX DEPLOYED H-SHAPED SITES.

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KURUMUCH ROCKET ENGINE TEST FACILITY

THIS INSTALLATION WAS FIRST OBSERVED UNDER CONSTRUCTION

THIS IS ONE OF THE LARGEST KNOWN SOVIET LIQUID ROCKET ENGINE TEST FACILITIES. TWO OF ITS FIVE TEST STANDS HAVE THE CAPABILITY TO TEST ENGINE WITH A THRUST OF OVER 1 MILLION POUNDS. THIS IS ONE OF 8 FACILITIES IN THE USSR WHICH HAS THE CAPABILITY TO VERTICALLY TEST ROCKET ENGINES OR MISSILES.

25X1

25X1

BULYZHINO SENSITIVE OPERATIONS COMPLEX

FIRST COVERED THIS IS ONE OF TWELVE SENSITIVE OPERATIONS COMPLEXES IN THE USSR. PURPOSE UNKNOWN.

25X1

TUNNELING ACTIVITY, NAMSI A/F, N. KOREA

3956N 12512E

1. FIRST SEEN
2. BELIEVED TO BE SUSPECT A/C MAINTENANCE/ASSEMBLY PLANT U/C.
3. ONLY ONE SEEN IN N. KOREA.

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OLKHOVKA AIRFIELD

49-44N 044-31E

1. AIRFIELD FIRST SEEN [REDACTED] WHICH REPORTED 12,950 X 350
FT WNW/ESE PROBABLE GRADED EARTH RUNWAY, SERVICEABLE WITH TOTAL OF
1800 FT OF OVERRUNS. 25X1
2. NO AIRCRAFT WERE OBSERVED UNTIL [REDACTED] WHICH REPORTED 3
PROBABLE BISON ON THE SOD RUNWAY (DIMENSIONS/1007 = 13,200 X 380 FT). 25X1
3. FIRST TIME BISON SEEN OF SOD RUNWAY IN USSR.

KRASNOARMEYSKAYA, VLF STATION

FIRST SEEN [REDACTED] ONE-THIRD THE SIZE OF THE VILEYKA VLF
STATION. USED FOR SUBMARINE COMMUNICATIONS. ONE OF SIX OPERATIONAL
VLF SITES. 25X1

CHIH-CHIN-HSIA, CHINA

PRODUCTION AREA, PROBABLE REACTOR BUILDING U/C

40-10N 097-25E

1. FIRST INDICATIONS OF CONSTRUCTION OBSERVED ON [REDACTED] 25X1
2. ONE OF THREE AE PRODUCTION FACILITIES IN CHINA.

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MOSCOW AREA, PROBABLE COMMAND POST CHEKOV

FIRST SEEN [REDACTED] THIS INSTALLATION IS SIMILAR TO THOSE

25X1

AT SHARAPOVO AND CHERNOYE IN THE MOSCOW AREA.

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KIYEV/SVIATOSHINO AIRFIELD, NEW TYPE AIRCRAFT

[REDACTED] REVEALED A LARGE NEW AIRCRAFT OF CONVENTIONAL CONFIGURATION WITH A WINGSPAN OF 225 FEET AND AN OVERALL FUSELAGE LENGTH OF 180 FEET. THIS AIRCRAFT WAS NOT OBSERVED BEFORE AND HAS NOT BEEN SEEN SINCE.

25X1

LAN-CHOU SAM SITE

35-47N 103-44E

1. FIRST SUSPECTED [REDACTED]
2. FIRST IDENTIFIED [REDACTED]
3. AREA THOUGHT TO BE INACTIVE.

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LAUNCH AREA "A", IMENI GASTELLO ICBM COMPLEX, USSR

THIS SINGLE SILO LAUNCH SITE WAS FIRST OBSERVED UNDER CONSTRUCTION

25X1

THIS IS ONE OF 31 SUCH SINGLE SILO LAUNCH SITES WHICH HAVE BEEN
OBSERVED SINCE

25X1

THE SILOS OF THIS TYPE ARE TYPIFIED BY A U-SHAPED EXCAVATION,
WITHIN WHICH IS A SQUARE SILO STRUCTURE HAVING A CIRCULAR CORE IN THE
CENTER.

LU-TA SHIPYARD, CHINA

38-55N 121-38E

1. FIRST COVERED
2. LARGEST SHIPBUILDING FACILITY IN CHINA.
IN CHINA
3. FIRST "G" CLASS/SSB IDENTIFIED HERE AND LATER DETERMINED TO BE
BUILT HERE.

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BANI SUWAYF, EGYPT

1. FIRST SEEN

25X1

2. NEWLY BUILT 10,000 FT RUNWAY 90% COMPLETE SINCE FEB 64.

25X1

SAM SUPPORT FACILITY U/C

ASWAN, EGYPT

1. FIRST SEEN

25X1

2. CONFIRMED

25X1

3. SIGNIFICANCE - INDICATION THAT EGYPTIANS ARE CONTINUING TO DEPLOY
SAM SITES.

W CLASS SS U/C, KIANGNAN SHIPYARD

SHANGHAI, CHINA

3112N 12128E

1. SHIPYARD FIRST OBSERVED

25X1

2. SUBS FIRST OBSERVED U/C

25X1

3. SIGNIFICANCE - CHINA STILL BUILDING W CLASS SUBS SINCE SOVIET
WITHDRAWAL IN 1960.

4. KIANGNAN AND WU-CHANG SHIPYARDS ONLY TWO KNOWN YARDS BUILDING W-CLASS SUBS.

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PHOTOGRAPHICALLY DERIVED INTELLIGENCE HIGHLIGHTS

LENNINGRAD POSSIBLE SOLID PROPELLANT
PROCESSING AND TEST SITE, USSR
53-224 20-261



10X ENLARGEMENT

LARGE SHIP UNDER CONSTRUCTION
KOROLAYEV SHIPYARD NOSENKO 444, USSR
45-51W 31-50E



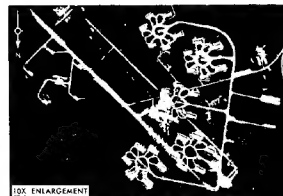
10X ENLARGEMENT

SARY-OZEK SAM SITE A15-2, USSR
44-21W 70-00E



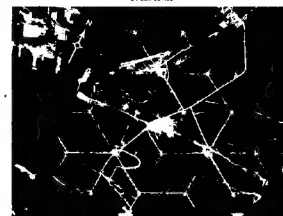
10X ENLARGEMENT

TALLINN AMM/SAM LAUNCH COMPLEX, USSR
53-24W 29-18E



10X ENLARGEMENT

VILEYKA GOLIATH VLF COMMUNICATIONS SITE, USSR
54-28N 26-47E



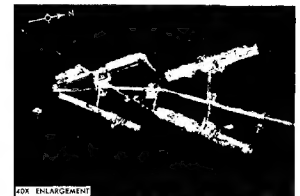
10X ENLARGEMENT

PEIPING ROCKET ENGINE TEST FACILITY
CHANG-HSI-TIEN, CHINA
39-50N 114-00E



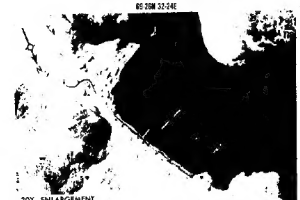
10X ENLARGEMENT

ANGARSK AREA HIGH-HOUSE TYPE ANTENNAS, USSR
52-52N 43-10E



10X ENLARGEMENT

E-CLASS SSBN (SUBMARINE)
GUBA LITSA SUBMARINE BASE, USSR
65-10W 22-04E



20X ENLARGEMENT